Empowered by Innovation

NEC

NEC MultiSync® LCD1990SXi

- Highly innovative LCD monitor with S-IPS TFT display
- Ultra-thin frame (12 mm)
- L-shape front button technology for intuitive OSD control
- ambix³™ technology – safety of investment with analog/digital interfaces (DVI-I, DVI-D, VGA) with up to 3 inputs simultaneously
- Rapid Response technology 9 ms (grey-to-grey)
- RapidMotion feature guarantees smooth representation of moving images
- TileMatrix and TileComp features
- AutoBright technology
- AmbiBright: Ergonomics and power saving ambient light sensor
- OmniColor™: sRGB and 6-axis-colour-control
- ErgoDesign®: Height adjustable stand (150 mm)
- GammaComp: 12 bit LUT (look up table) and 12 bit gamma correction
- CableComp for best picture quality through automatic signal compensation of long cables and weak signals incl. Sync continuity detection
- ColorComp for best uniformity of brightness and colour
- TORO™ Design: Screen rotation 90° (portrait capability)
- Realtime clock with scheduler
- Low power consumption and EcoModes for reduced Total Cost of Ownership (TCO)

see more.

NEC Display Solutions

NEC MultiSync® LCD1990SXi

Panel Technology	S-IPS TFT
Screen Size [inch/cm]	19.0/48.2
Pixel Pitch [mm]	0.294
Viewing Angle	178° horizontal / 178° vertical (typ. at contrast ratio 10:1)
Contrast Ratio (typ.)	600:1
Brightness (typ.) [cd/m²]	270
Response Time (typ.) [ms]	9 (grey-to-grey), 18 (11 white / black; 7 black / white)
Colours [Mio.]	16.77
Horizontal Frequency [kHz]	31.5 - 81.1
Vertical Frequency [Hz]	50.0 - 85.0
Optimum Resolution	1280 x 1024 at 60 Hz
Other Resolutions	1280 x 960; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 400; 640 x 480
Connectors	3 (Digital: 1 x DVI-D; Digital/ Analog: 1 x DVI-I; Analog: 1 x D-sub 15 pin)
Plug & Play	VESA DDC/CI; DDC2B/2Bi; EDID Standard
Adjust Functions	Auto Adjust; Colour Temperature Control; Fine Adjust (analog); Sharpness; Brightness; Contrast; Intelligent Power Management; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; Black Level; Expansion Mode; On-Screen-Manager (OSM) lock-out; Advanced NTAA (Advanced Non-Touch-Auto-Adjustment); Language Select; User Menu; Advanced User Menu; Hotkeys
Safety and Ergonomics	CE; TCO'03; TÜV ergonomic approved; TÜV GS; C-tick; GEEA/Energy label; Energy Star; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 13406-2 (pixel failure class II); MPR II/ MPR III; PCBC/B-mark; PSB
Power Requirements on Mode [W]	46 (max.)
Power Requirements Power-saving Mode [W]	1
Power Supply	100-120 V/220-240 V; 0.63 A/0.27 A; integrated power supply
Ambient Temperature (operating) [°C]	5 to 35
Ambient Humidity (operating) [%]	30 to 80
VESA Mounting [mm]	100 x 100
ErgoDesign®: Height Adjustable Stand [mm]	150
Dimensions (W x H x D) [mm]	402.3 x 410.7 - 560.7 x 247.3 (Landscape mode)
Screen Tilt / Swivel [°]	-5 to +30 / -170 to +170
Bezel Width [mm]	12 (left and right)
Cable Management	yes
Kensington Lock	yes
Weight [kg]	9.0
Specials	Adjustable power LED (colour and brightness); EcoModes; AmbiBright; AutoBright; Direct Brightness and Contrast; Auto Black Level; Auto Brightness; Auto Contrast; ambix³™; CableComp with Sync Continuity Detection; ColorComp; Rapid Response; RapidMotion; TileMatrix; TileComp; OmniColor™; GammaComp (12 bit look up table) and 12 bit gamma correction; TORO™ Design; DDC-CI; NaViSet® and NaViSet® Administrator compatible; Real time clock with scheduler (Power-On and Power-Off timer); Overdrive; Advanced NTAA (Advanced Non-Touch- Auto-Adjustment); Self diagnostics; Quick release stand and handle
Audio Functions	Option: MultiSync® Soundbar 90
Colour Versions	Silver Front Bezel, Light Grey Back Cabinet; Black Front Bezel, Black Back Cabinet
Shipping Content	Monitor; Power Cable; Signal Cable DVI-A - VGA; Signal Cable DVI-D - DVI-D; CD-ROM; Sales Office List; User`s Manual
Warranty	3 years warranty incl. backlight

NaViSet® NaViSet® Administrator TORO Design GammaComp CableComp

LCD1990SXi-UK-03/06

All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All rights reserved. All specifications are subject to change without notice. March 2006